

1/9

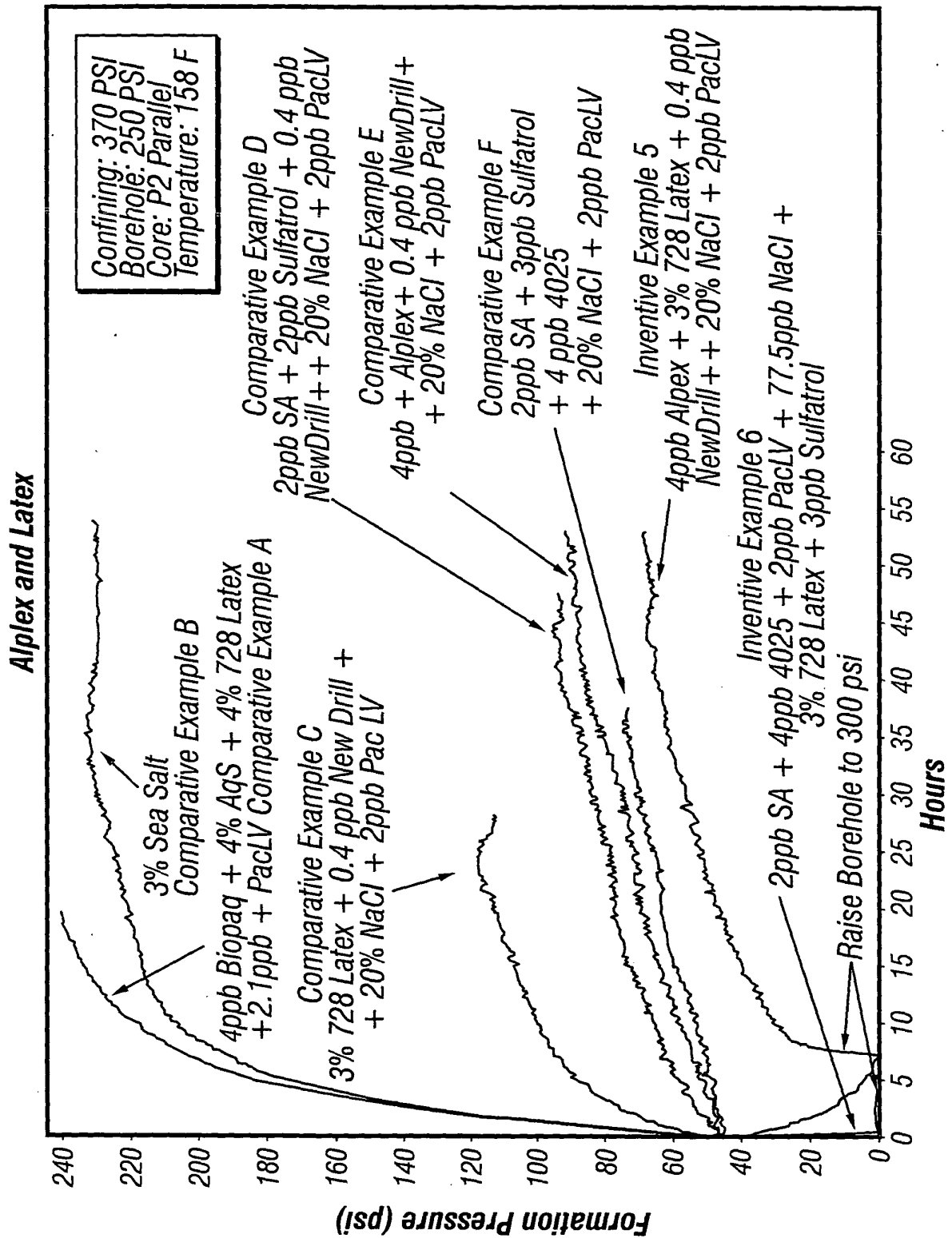


FIG. 1

Surfactant effect on Gencal 7463 particle size in 20% NaCl/1 lb/bbl NEW-DRILL® PLUS/
 1 lb/bbl XAN-PLEX™ D / 0.5 lb/bbl sodium gluconate/3 lb/bbl NaAlO₂/ 5% by vol Gencal 7463

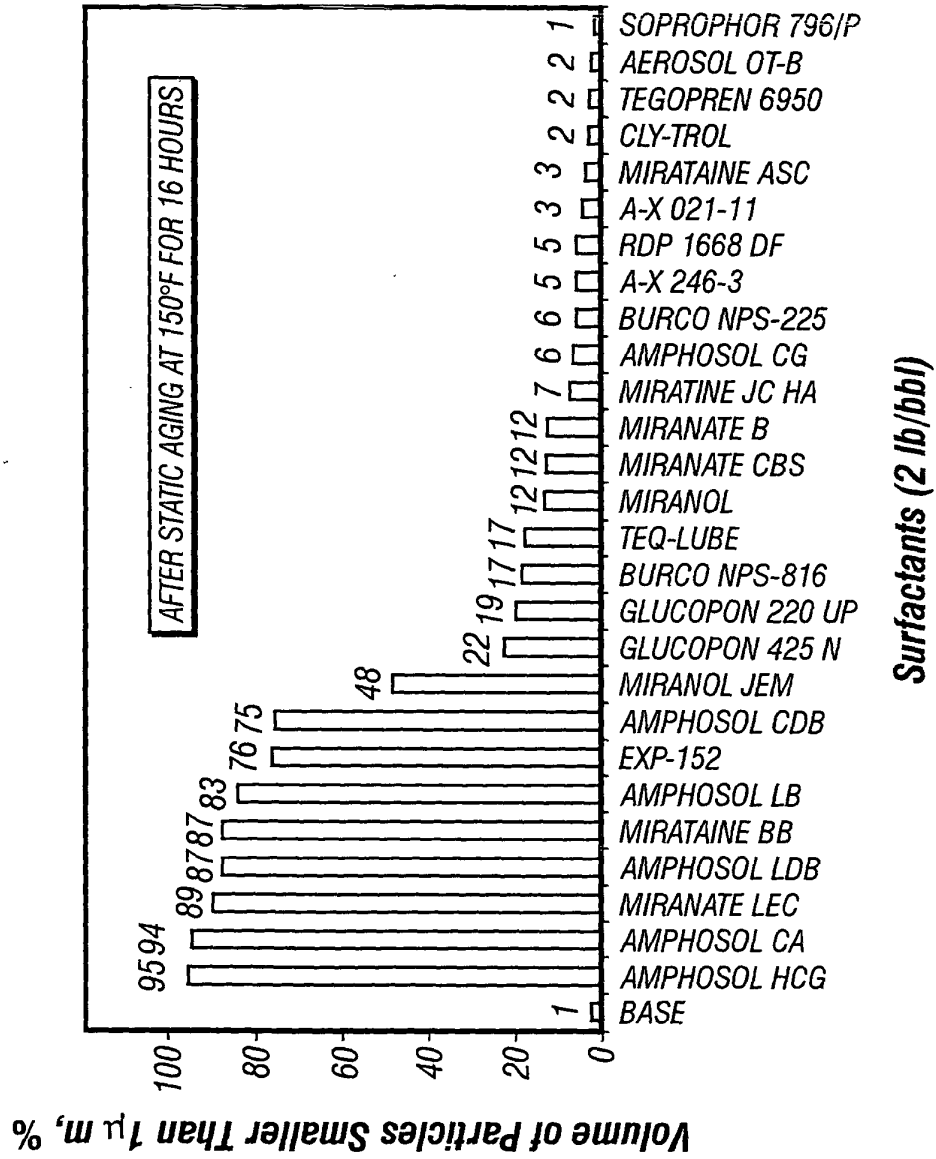


FIG. 2

3/9

Influence of polymer resins (3 lb/bbl) on Gencal 7463 particle size distributions after 16 hours, 150°F hot roll in 20% NaCl / 0.75 lb/bbl XAN-PLEX® D / 0.5 lb/bbl sodium d-gluconate / 0.4 lb/bbl NEW-DRILL® PLUS/2 lb/bbl BIO-PAQ® / 3 lb/bbl NaAlO₂/ 3% Gencal 7468 / 1 lb/bbl EXP-152

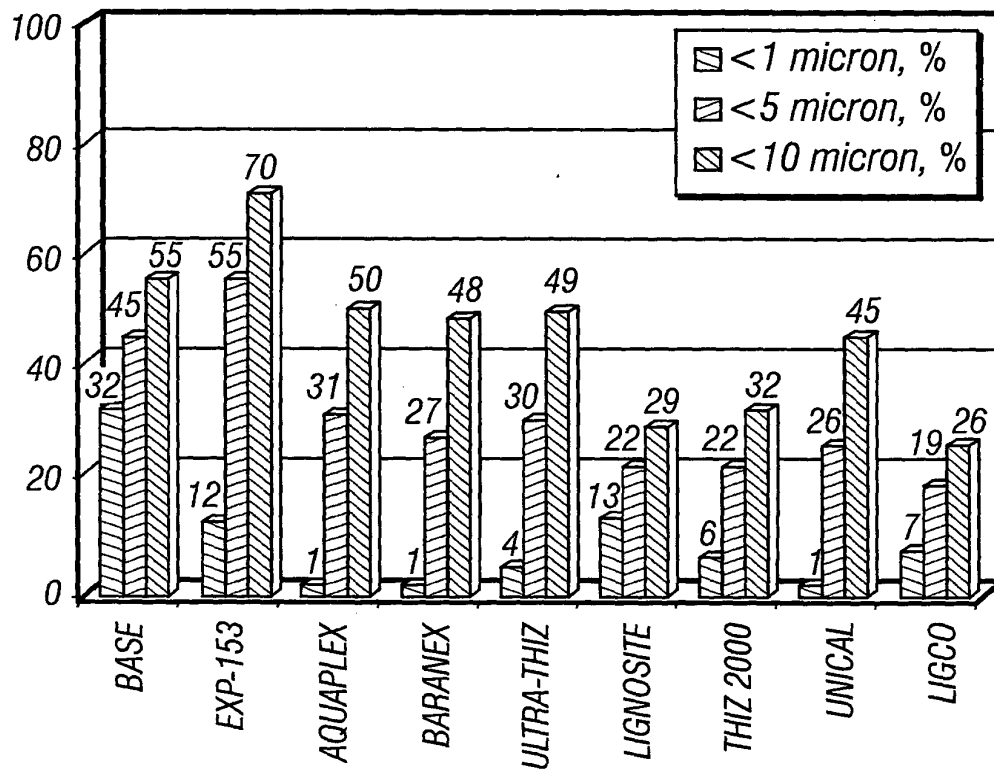


FIG. 3

4/9

EXP-154 versus ALPLEX® in 12 lb/gal mud. Base: 20% NaCl / 0.5 lb/bbl XAN-PLEX® D / 2 lb/bbl BIO-LOSE® / 1 lb/bbl NEW-DRILL® PLUS / 3% EXP-155 / 150 lb/bbl MIL-BAR® / 27 lb/bbl Rev Dust

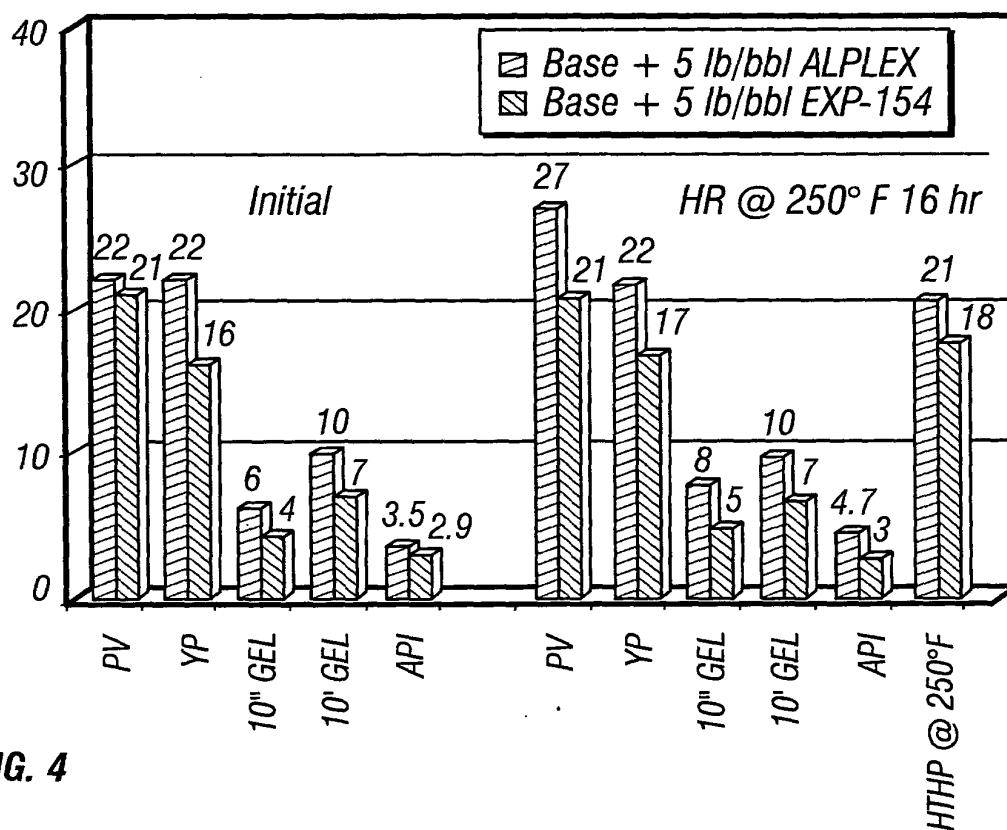


FIG. 4

5/9

PPT test results for ALPLEX®, EXP-154/EXP-155, and ISO-TEQ® fluids

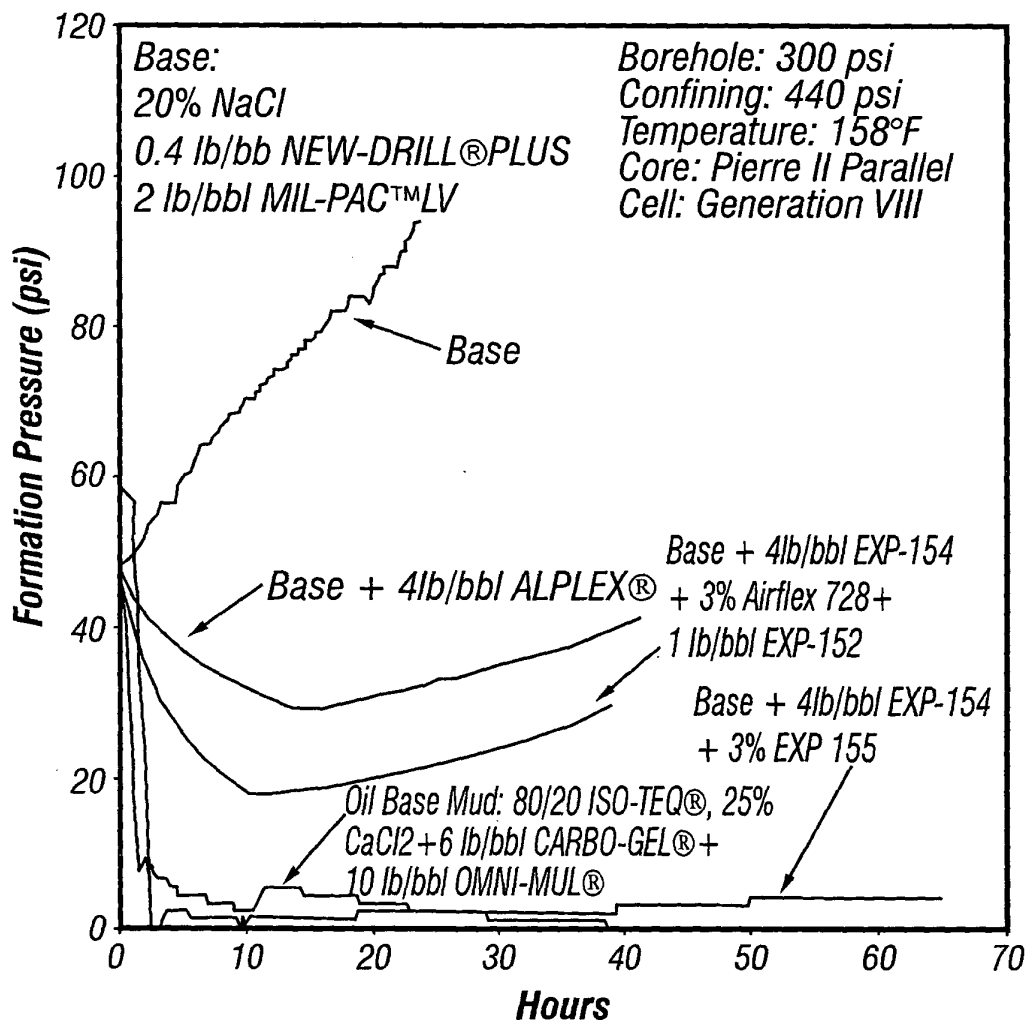


FIG. 5

6/9

Effects of circulation on EXP-154/EXP-155 PPT mud performance

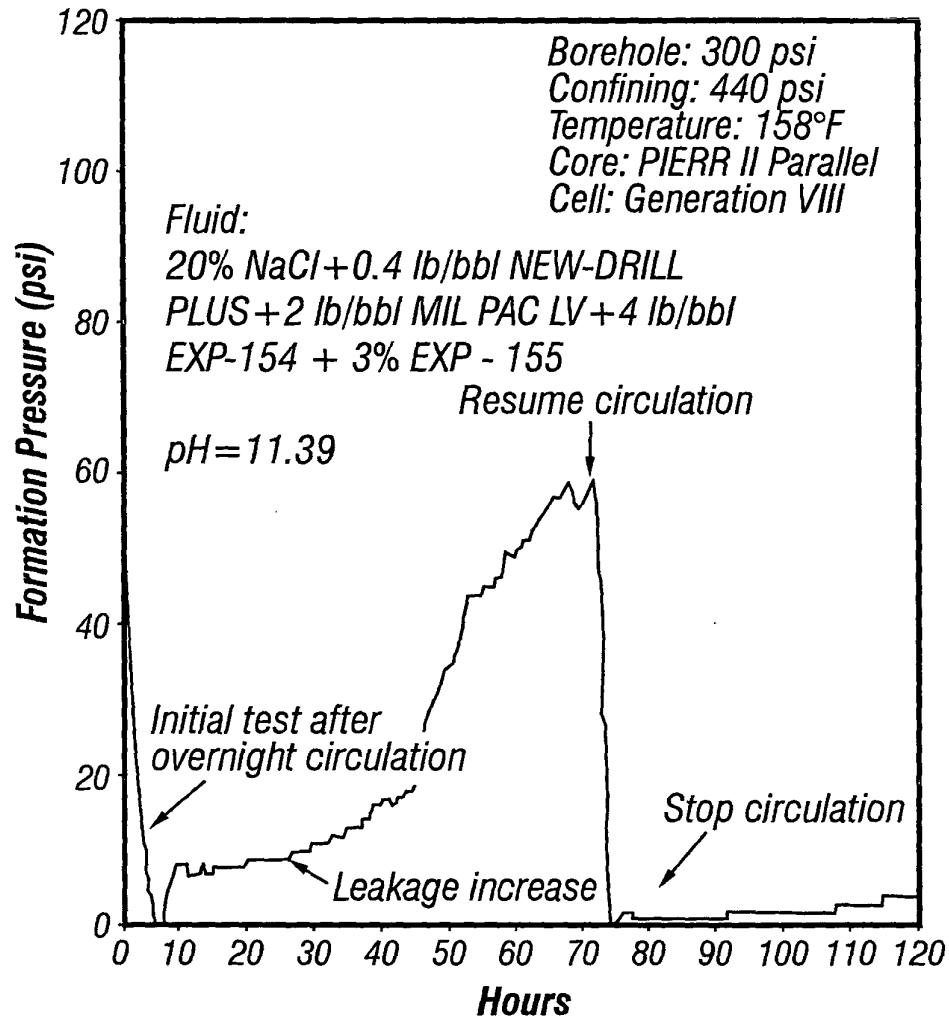


FIG. 6

7/9

Effects of latex on mud properties in 9.6 lb/gal 20% NaCl fluid after 16 hour, 250°F hot roll. Base: 20% NaCl / 1 lb/bbl XAN-PLEX® D / 0.4 lb/bbl NEW-DRILL® PLUS / 2 lb/bbl BIO-PAQ® / 5 lb/bbl EXP-154 / 10 lb/bbl MIL-CARB® / 27 lb/bbl Rev Dust

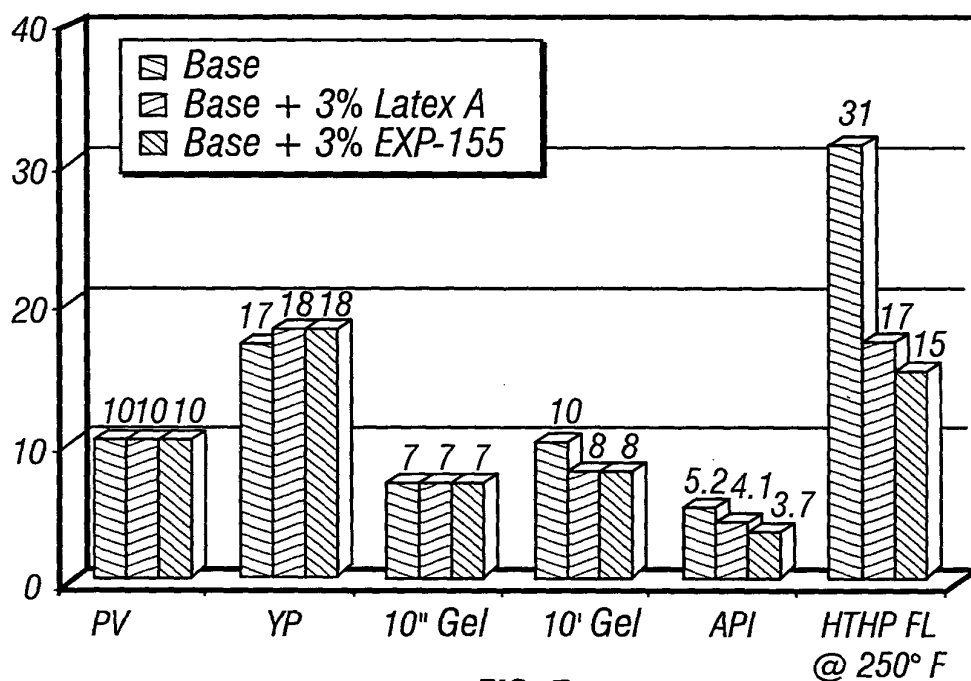


FIG. 7

8/9

Effects of latex on mud properties in 12 lb/gal fluid after hot rolling for 16 hours, at 250°F. Base: 20% NaCl / 0.75 lb/bbl XAN-PLEX® D / 0.4 lb/bbl NEW-DRILL® PLUS / 3 lb/bbl BIO-PAQ® / 5 lb/bbl EXP-154 / 150 lb/bbl MIL-BAR® / 27 lb/bbl Rev Dust

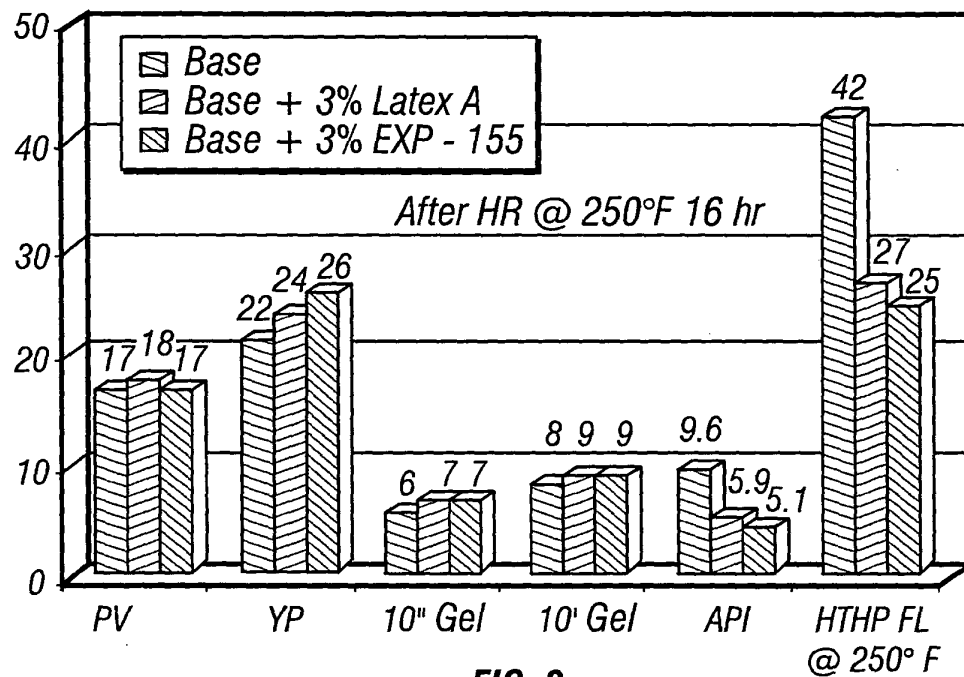


FIG. 8

9/9

96 hour Mysidopsis bahia range finder results for experimental products in
12 lb/gal fluids. Base: 20% NaCl / 0.5 lb/bbl XAN-PLEX® D / 0.4-1 lb/bbl
NEW-DRILL® PLUS / 2 lb/bbl MIL-PAC® LV (or BIO-PAQ®) / 150 lb/bbl MIL BAR®.

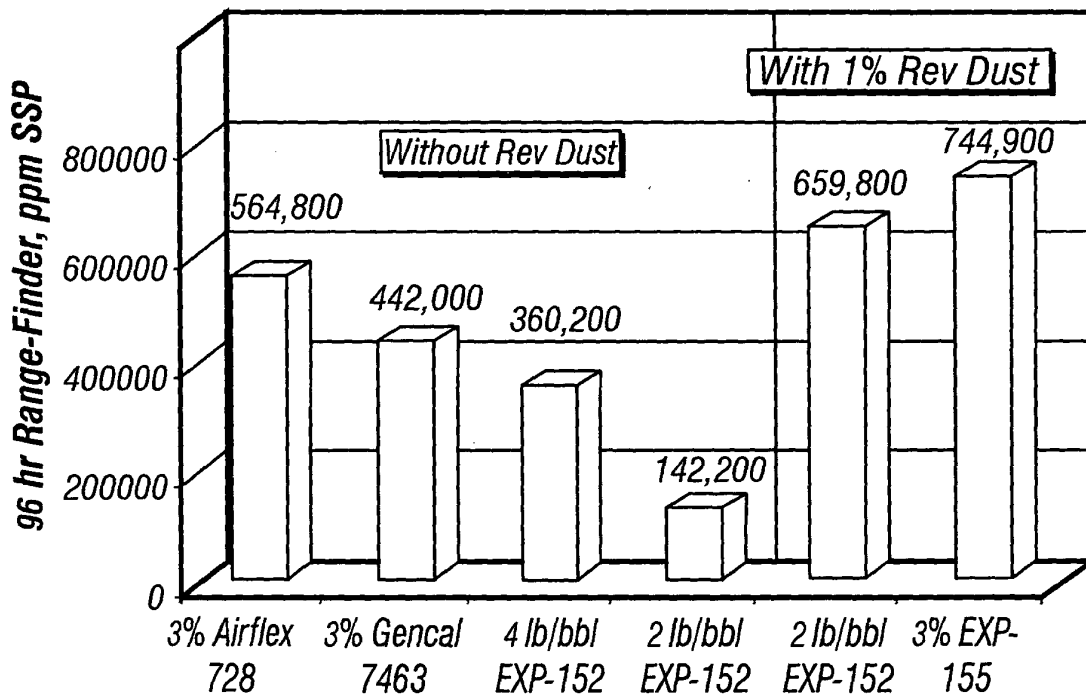


FIG. 9

FIG. 10

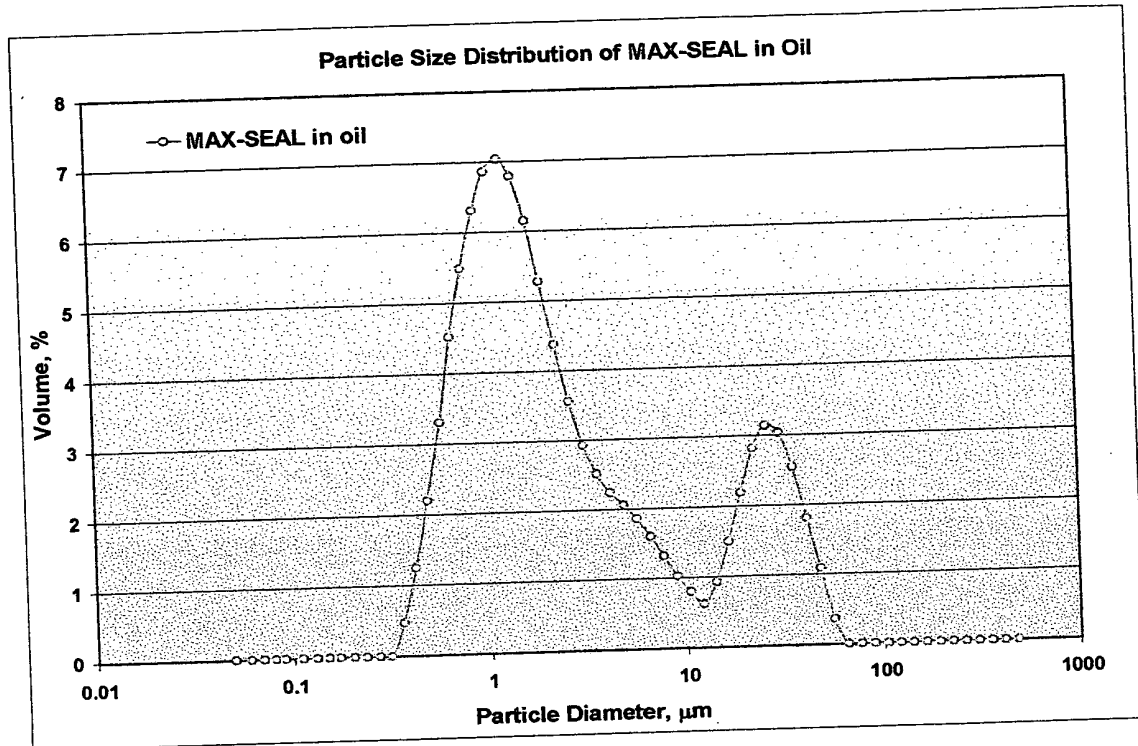


FIG. 11

Effect of XAX-SEAL on PPA test results at 250°F for 14 lb/gal SYN-TEQ mud on different permeability disks. (Mud samples have been hot rolled at 250°F for 16 hours)

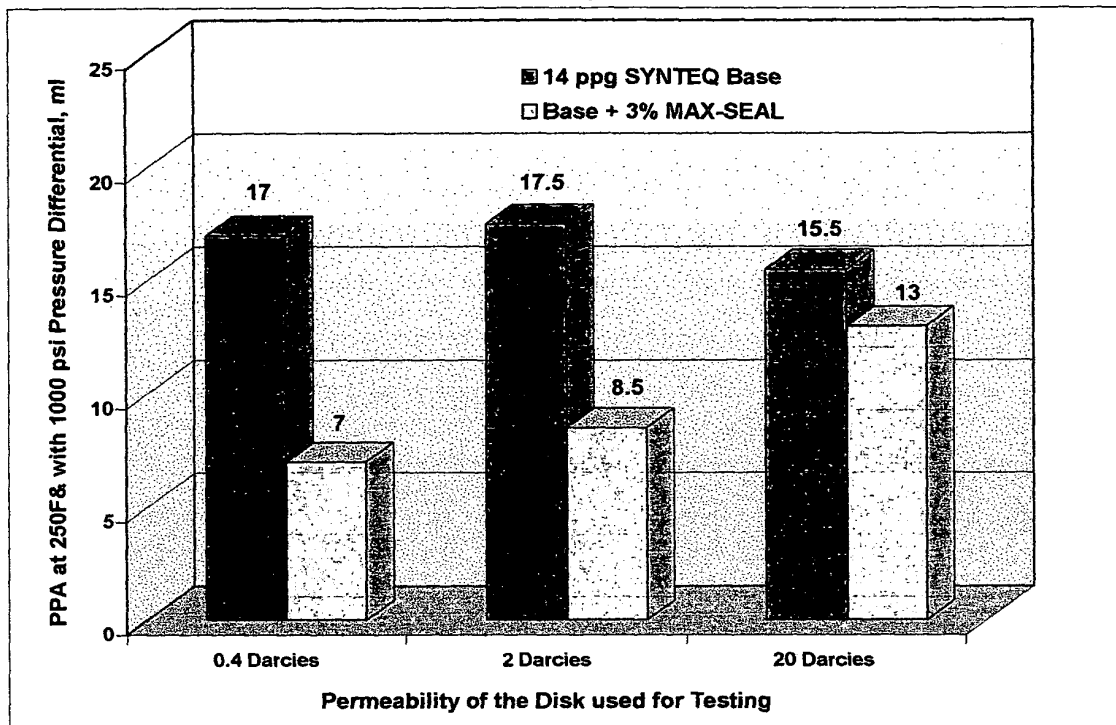


FIG. 12

Effect of MAX-SEAL on the PPA fluid loss at 250°F on 0.4 Darcy disk for 14 ppg SYN-TEQ mud. (Mud samples have been hot rolled at 250°F for 16 hours)

